

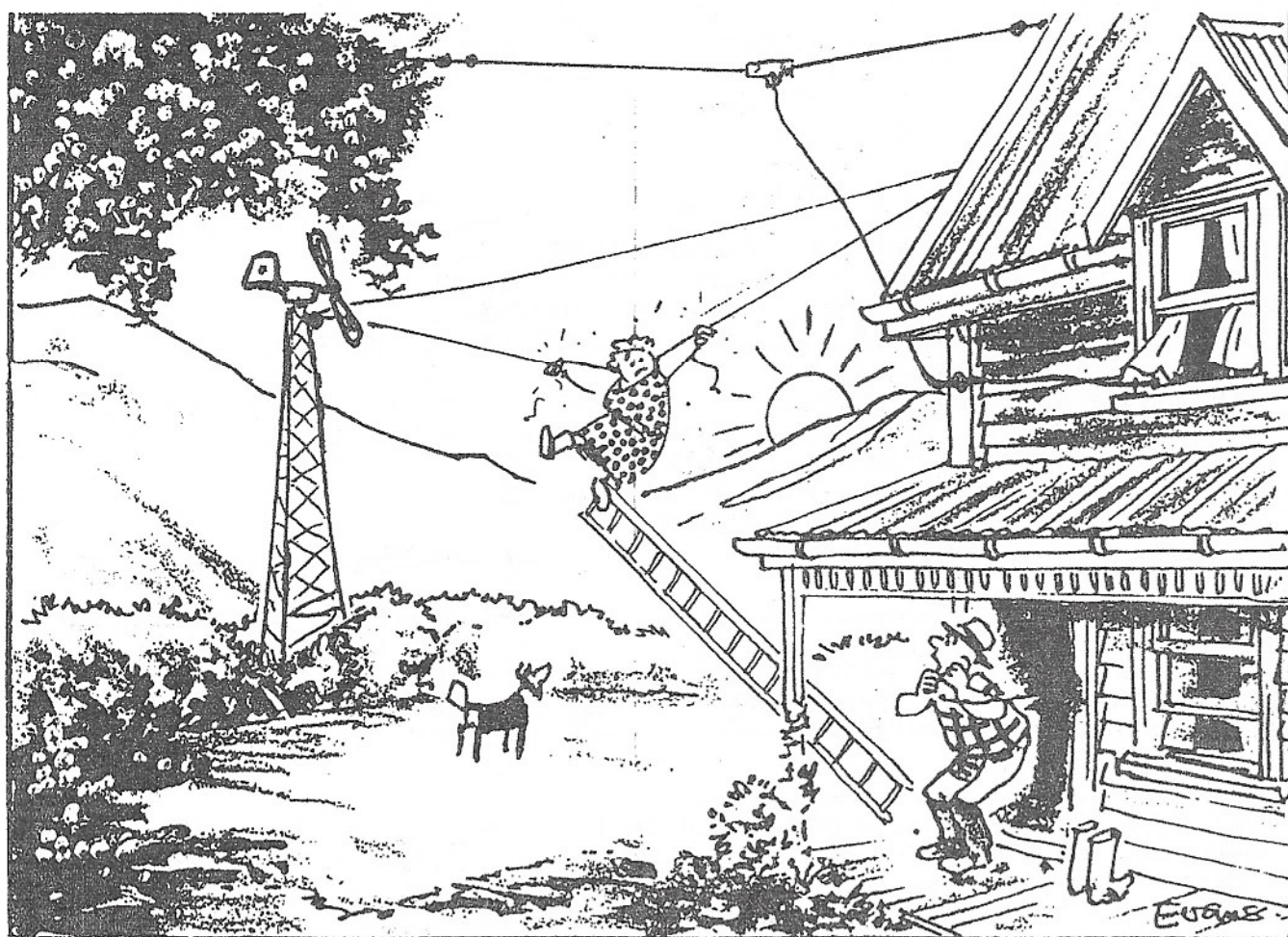
94/02

- FEBRUARY 1994 -



B.A.R.G. NEWS.

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Newsletter of the
Ballarat Amateur Radio Group



"HANG ON A TICK LUV - I'M ON THE CLUB SCRAMBLE !"

(Sunday evenings - 7.50pm. 146.425 to 146.600 MHz.)

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BALLARAT AMATEUR RADIO GROUP INC. EXECUTIVE COMMITTEE 1993/4

			HOME	WORK
PRESIDENT	CLIFF BILSTON	VK3CCB	361249	204321
IMM.PAST PRESIDENT	IAN ROBINSON	VK3FD	358031	379175
VICE PRESIDENT	ERNIE TURNER	VK3DET	317604	
SECRETARY	GEOFF SMITH	VK3ADB	332112	
TREASURER	HARRY HEKKEMA	VK3KGL	357563	
ASST.SECRETARY	JIM WRIGHT	VK3CFB	327563	
PUBLICITY/NEWSLETTER	NORM D'ANGRI	VK3LBA	341613	
EDUCATION OFFICER	TOM GEORGE	VK3DMK	355662	327234
TECHNICAL OFFICER	DICK ANTOZIEWICZ	VK3AEX	323273	
MEMBERS' REPS.	MARY CURNOW	VK3FMC	301927	
	REG CARTER	VK3CAZ	417585	

OFFICERS AND COMMITTEES

OSL MANAGER	DOUG RAPER	VK3VBA	323565	
NET CO-ORDINATOR	JOHN HOGAN	VK3CJH	447414	
AWARDS MANAGER	MAURIE BATT	VK3XEX	422245	
PROPERTY OFFICER	JEFF PIGDON	VK3PAP	327041	311211
HAMVENTION CONVENOR	TOM GEORGE	VK3DMK	355662	327234
LIBRARIAN/HISTORIAN	RICHARD VOSS	VK3JFL	337045	
WICEN COMMITTEE	GORDON CORNELL	VK3FGC	392427	391135
	GEOFF SMITH	VK3ADB	332112	
	TOM GEORGE	VK3DMK	355662	327234
TECHNICAL COMMITTEE	DICK FORRESTER	VK3VU	357663	391001
	DICK ANTOZIEWICZ	VK3AEX	323273	
	IAN MC.DONALD	VK3AXH		
	DAVID MC.CONNELL	VK3YNB		
	BEN ORCHARD	VK3TOP		377836
	MAURIE BATT	VK3XEX	422245	

REPEATERS: VK3RBA - 146.750 MHz. VOICE. MT.BUNINYONG (- OFFSET)
 VK3RES - 146.900 MHz. VOICE. SMEATON HILL (- OFFSET)
 VK3RPC - 144.750 MHz. PACKET MT.WARRENHEIP
 VK3REU - 438.475 MHz. VOICE MT.HOLLOWBACK

CLUB NET: THURSDAY NIGHTS AT 8 PM. (8.30 PM.DURING DAYLIGHT SAVING)
 FREQ: 3.610 MHz.+/- QRM.

2 METRE SCRAMBLE: SUNDAY NIGHTS AT 7.50 PM. FREQ:146.425 TO 146.600 MHz.INCL.
 CALL BACK HELD ON BALLARAT REPEATER VK3RBA (146.750 MHz.)

MEETINGS: LAST FRIDAY OF EACH MONTH (EXCEPT DECEMBER) AT 7.30 PM.

VENUE: BALLARAT COMMUNITY EDUCATION CENTRE
 HOPETOUN ST. BALLARAT

FOX HUNTING: AS ARRANGED DURING YEAR

CORRESPONDENCE

TO
 THE SECRETARY
 B.A.R.G. INC.
 BOX 1261
 MAIL CENTRE
 BALLARAT 3354

NEWSLETTER ARTICLES

TO
 N.D'ANGRI -VK3LBA
 29 LAWRENCE ST.
 ALFREDTON
 BALLARAT 3350
 PHONE 053 341613

LIFE MEMBERS

MAURIE BATT	VK3XEX	KEVIN HUGHES	VK3WN
IAN MC.DONALD	VK3AXH	PHIL SEDDON	VK3AQM
GEORGE SMALL	VK3DKJ(SK)	STAN WIDGERY	VK3SE
JIM WRIGHT	VK3CFB		

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(Current 30.01.94)

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MINUTES - NOVEMBER 93.

MINUTES OF MEETING HELD 26TH.NOVEMBER 1993

The meeting opened at 7.45pm.with President Cliff VK3CCB in the chair.
There were 31 Members present and our guest speaker (Roland Hopkins) was welcomed to the meeting by the President.

APOLOGIES were accepted on behalf of the following:

VK3 - AEX, VU, FR, DS, SE, NIZ, MLH, XDO, FMC, LDC, EF, YNB, Peter, Wendy, Val,
FGC/DMK

TREASURER'S REPORT Convention Account : \$2826.60
General Account : \$ 22.11
St.George Account : \$5295.87
=====

\$8144.58

KGL/BNC

QSL REPORT It was reported that Nil cards had gone out, and that 2 cards had been received. Doug VK3VBA was complimented on his great performance as QSL Manager.
PUBLICITY Norm VK3LBA reported that a recent article concerning VK3LDS which he had organised for publication in the Ballarat Courier, had been forwarded to AR for inclusion in a forthcoming edition of the AR magazine.

EDUCATION Tom VK3DMK indicated that 7 candidates had registered for the coming examinations for Novice, Full Call and Morse.

TECHNICAL It was reported that problems were being experienced with VK3RPC and it would be temporarily off air.

NEWSLETTER The Newsletter Editor (VK3LBA) reported that the next issue of the Newsletter would be out in February, but he had very little in the way of articles or other contributions on hand with which to make it up.

NET Going well but more check-ins would be appreciated, even if you can't stay on, and wish to check in only.

WICEN Gordon VK3FGC is arranging an exercise to be held at 'DISPLAN' points using both VHF and HF. Saturday 11th.December.

Two training activities are to be held each year.

The Begonia Car Rally is to be held in February.

An updated 'check list' of items which should be taken on WICEN activities is to be published in the Newsletter. FGC

HAMVENTION There were several very favourable and complimentary reports regarding the Hamvention. Well done Tom!

428 people attended and 225 lunches were served.

The committee is to check for new venue for 1994.

GENERAL BUSINESS

"T" shirts are available with the Club Logo, or the logo can be put onto your own shirt. - Contact Geoff VK3ADB.

The Committee was empowered to look at the following items:

1. To canvas Members' views on BARG activities and projects through the Newsletter with a questionnaire.
2. Prizes for Scramble winners.
3. Production of a QSL card for the Club and Members.
4. Bus trips.
5. Subscriptions to periodicals.

MEETING CONCLUDED AT 9.15 PM.

GUEST SPEAKER

Our Guest speaker - Roland Hopkins - gave a very absorbing and informative talk on the solar powered vehicle race from Darwin to Adelaide. All agreed that it was very interesting and really 'attention grabbing' stuff.

NEXT MEETING January 28th. 1994.

73 de Geoff VK3ADB

OPEN DAY - TELECOM advise that they will be holding an OPEN DAY at their Doveton St. Exchange on Saturday the 12th.February.

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MINUTES - JANUARY '94



MINUTES OF MEETING HELD 28th. JANUARY 1994

The President opened the meeting at 7.50pm. and welcomed 15 members and 2 visitors to our first get-together for 1994.

APOLOGIES were accepted on behalf of the following:

VK3- KGL, SE, VU, XEX, EF, FR, CIS, DS, JFL, TAR, PDA. - XDQ/CAZ

MINUTES of the previous meeting were confirmed. BNC/XDQ

TREASURER'S REPORT There was no report as Harry was on vacation.

NOTICE of motion re the Treasurer's Report was given by Gordon VK3FGC

OSL CARDS 160 cards sent out and 90 received. Thanks Doug VK3VBA.

PUBLICITY Article re Dean VK3LDS should appear in February A.R.

Several pamphlets and forms re BARG course have been sent out.

EDUCATION The education officers are ready for the new candidates for '94.

Congratulations to Jordan (passed Novice theory) and Dean VK3LDS (passed 10 WPM morse).

A motion was moved to purchase 6 copies of "Swainston" @ \$40.00 each to be used as preferred class text books, with the option of a further 3 copies at a later date. Borrowers will be asked for a deposit of \$10 for the course duration.

- DMK/LBA

NEWSLETTER Looking Good - Well done Norm.

NET VK3CAZ (Reg) & VK3CFH (John) are in the "Control Chair" while VK3CJH (John) is indisposed. Best wishes to John.

The "Scramble" and the "Fox Hunts" return to normal in February.

WICEN Briefing by Gordon (VK3FGC) on the Begonia Car Rally and the Triathlon to be held on weekend of 5th./6th. February.

Help will be sought for the "World Cup Orienteering" after Easter, on the 6th. & 8th. of April.

TECHNICAL REPORT Dick VK3AEX reported that the new controller for RBA will be a positive addition to the repeater.

Moved for payment

AEX/CCB

GENERAL BUSINESS

Approval was made for the purchase of MFJ SWR Analysers HF / VHF Digital / Analogue. Re quote from Stewarts - \$430.00.

- BNC/CAZ

Upgrade Call Books

CFB/LBA

Liability Insurance to be renewed - Mercantile Mutual \$5M. - \$126.50

FGC/DMK

Perpetual Trophy & Certificates for Club events (Scramble/Fox Hunts etc.)

BNC/XDQ

Payment for Sandwiches for tonight's supper - passed

FGC/DMK

Natter Night - 11th. Feb. - Barbeque.

Field Day - John Moyle 19/20th. March. Interest in Club Station.

MEETING CLOSED 9.37 pm.

NEXT MEETING: February 25th.

FOR SALE

TH6 THUNDERBIRD TRI-BAND 6 ELEMENT BEAM for 20, 15 & 10 metres.

Together with a HEAVY DUTY CDE ROTATOR All are in excellent condition.

BARGAIN PRICED at \$980 ONO. Contact JOHN (VK3CJH) in Linton on 447414.

FRENCH CALLSIGN CHANGES

F, FA, FB prefixes remain unchanged. FC call signs drop the 'C'
eg. FC1AXP becomes F1AXP. FD1 and FE1 calls become F5. eg. FD1DJJ
becomes F5DJJ and FE6ADV is now F5ADV.

(Source: 'Sprat' Winter '93/94. Q-ORP Club.)

THE 1994 GOSFORD - CENTRAL COAST FIELD DAY at WYONG RACECOURSE
Sunday, 27th February, 1994

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SPOIL SPORT I

MARSEILLE Friday.

A 62 year old electronics teacher has been charged with using radio waves to provoke the crashing of more than 100 model airplanes at a hobby club next to his home.

Prosecutors asked the court to fine the man \$A4915 and to sentence him to a suspended four-month prison term.

The teacher had been feuding with the club since he moved next door in 1977 and became annoyed with the sound of the planes' motors. In 1980 he won a court decree prohibiting the planes from flying over his property and limiting the number of planes that could be flown at any one time.

(Ballarat Courier - January 15th.1994.)

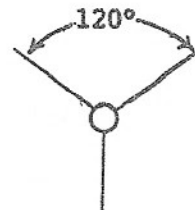
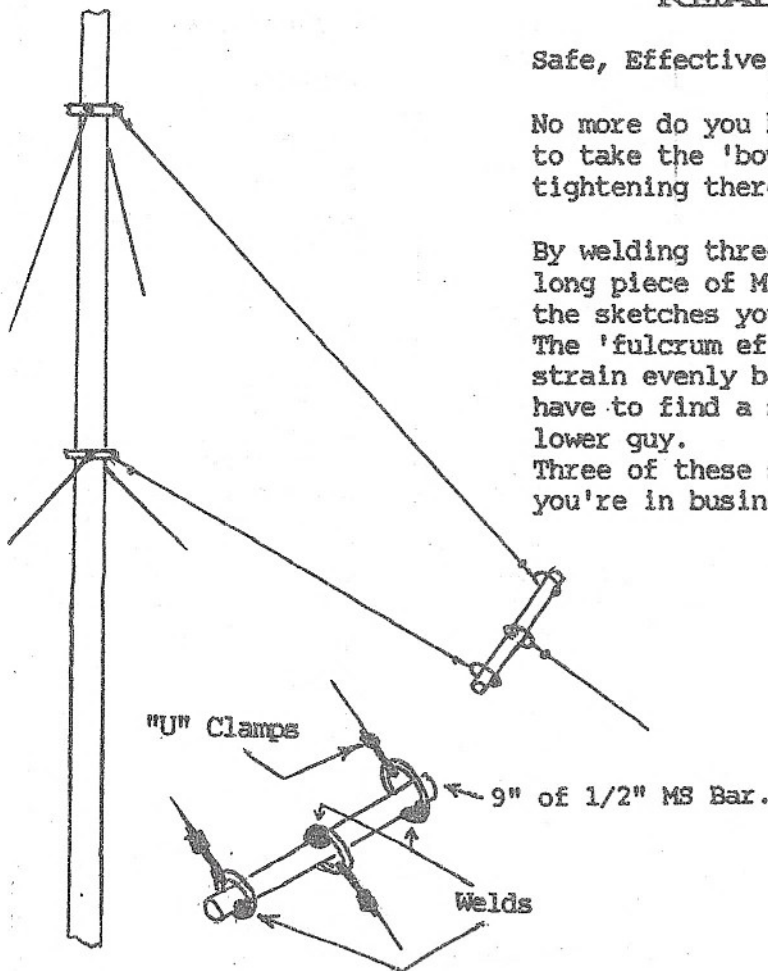
REAL GOOD GUYS

Safe, Effective, Economical, and easy to construct.

No more do you have to worry about repeatedly trying to take the 'bow' out of the mast by a little bit of tightening there and loosening it off here.

By welding three rings (chain links) onto a 9 inch long piece of MS rod and fitting it up as shown in the sketches you have the perfect guy wire. The 'fulcrum effect' of the rod distributes the strain evenly between the upper guys and you only have to find a single mounting point for the single lower guy.

Three of these set up at 120° around your mast and you're in business - Thanks to Bud (VK3AAP)



Ω Ω Ω Ω Ω Ω Ω Ω Ω

HAVE YOU

GOT IT RIGHT ?



A-Alfa	N-November
B-Bravo	O-Oscar
C-Charlie	P-Papa
D-Delta	Q-Quebec
E-Echo	R-Romeo
F-Foxtrot	S-Sierra
G-Golf	T-Tango
H-Hotel	U-Uniform
I-India	V-Victor
J-Juliet	W-Whisky
K-Kilo	X-Xray
L-Lima	Y-Yankee
M-Mike	Z-Zulu

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WICEN - CHECKLIST

The following is a checklist of items that should be considered when equipping your vehicle to respond to a WICEN/DISPLAN activity.
For further information contact our WICEN Co-Ordinator VK3FGC Gordon.

RADIO GEAR	HF	VHF	UHF	HAND HELDS	VHF	UHF	TOOL KIT
Rig				Hand Held			Coax Fittings
Microphone				Antenna			Multimeter
Spare Microphone				Batteries			Insul. Tape
DC Power Lead				Charger			Solder Iron
AC Power Lead				12V Lead			Solder
Spare Fuses				Base & Whip			Desolderer
Morse Key				CAR			Hammer
Key Cable				Tool Box			Wire Cutters
Head Phones				Tow Rope			Pliers
SWR Meter				Spare Wheel			Screwdrivers
ATU				Wheel Brace			Screws etc
Coax Leads				Jack			String
Linear Amp				Spade Axe Saw			Knife
Mobile Antennas				Winch			PERSONAL
¼ Wave Wire				Torch			Clothes
Dipole				Jumper Leads			WICEN Jacket
Slim Jim				RP7 & Fuses			Rain Gear
Beam				Water			Gum Boots
Mast & Clamps				Petrol & Filler			Hat
PAPER WORK				Oils			First Aid Kit
Message Pad				Funnel			Sleeping Gear
Log Sheet				Brake Fluid			Food & Drink
Note Paper				Radiator Hoses			Drink Water
Pens, Pencils				Plug Spanner			Cup Plate
Attendance Form				Fuses			Cutlery
Op's Handbook				STATION			Stove
Folder				Table			Matches
Vic Roads Maps				Chair			Pots & Pans
Other Maps				Tarpaulin			Sun Cream
ID Card				Poles Guys Pegs			Insect Repel.



THE 'CRADBIG' CHARGER

Crude - Rude - And Disgusting - But It Goes

Contributed by REG - VK3CAZ.

The CRADBIG* CHARGER

*Crude, Rude And Disgusting But It Goes
During the months either side of the midwinter solstice a friend, reliant on Solar Panels to charge 360 AH of 12volt batteries powering his home, finds his rig pulls the energy out faster than the solar cells can put it in.
Consequently there was a need for a good 20 to 30 Amp battery charger. There are plenty of petrol-driven 12 volt (nominal) generator sets on the market but being designed to run 12 volt appliances they are pretty useless at charging batteries. As soon as the battery voltage nears 13 volts or so the charging current drops off and it takes a lot of petrol to fully charge the battery. A car alternator as supplied is really no better since it, too, is designed to run the car's electrical systems with its charging of the vehicle battery a somewhat secondary feature. Once the battery reaches 13.8 volts or so it ceases to charge at any appreciable rate and so fails dismally as a charging system.

So we set out to make a battery charger with a good output, starting off with a small $3\frac{1}{4}$ horsepower petrol engine mounted on a steel frame. A second-hand car alternator (Lucas in our case) was obtained, checked out for serviceability and then stripped down. The stator windings and output diodes were left strictly alone but all the regulator side feeding the rotor, or excitation coil, was removed leaving just the two brush holders. One of these brush holders was connected to the frame of the alternator and the other brush connection brought out as an external connection. Once the alternator had been re-assembled it was mounted on the frame so that it could be driven by "vee" belt (in the correct direction as shown by the arrow stamped on it) at about 2 to 2 $\frac{1}{2}$ times engine speed, as determined by the size of the pulley fitted to the driving engine. Then the alternator output connection and the frame of the alternator (its negative output terminal connection) were connected to the batteries via an ammeter capable of reading 40amps. The new connection for the excitation coil was returned to the positive output terminal of the alternator via a 32 c.p. (approx. 18 watt) automotive direction indicator globe and an on/off switch as shown in Fig.1.

Once the petrol engine had been started and had warmed up, we ran it up to a speed of 1400-1500r.p.m. then the switch was closed so that (by later measurement) a current of about 2.2A flowed in the rotor. The alternator was delivering around 20A

to the battery and this could be increased to 25-30A by increasing the engine speed. The series globe in the excitation circuit provided a measure of output stabilization since it was not at full brilliance and so if the output voltage of the alternator rose so did the resistance of the globe and consequently the excitation was reduced. We had a virtually constant voltage charging system.

This first model delivered about 60AH per litre of petrol so at Ballarat prices it was about 0.82¢ per AH. I rather like the new unit of AH/L so will use that.

This prototype did however possess two flaws, one minor and the other major. The minor flaw was that if the petrol engine stopped for any reason some of the hard-won charge flowed back from the battery through the excitation coil and was wasted in lighting the series globe, until the switch was opened. This flaw was overcome by fitting a 70 amp diode, mounted on a heatsink, in series with the output lead and fitting a momentary-contact, normally-open, push-button rated at about 5Amp to bypass the diode. The switch in series with the globe was removed and the lamp wired permanently to the output terminal connection, see Fig 2.

Now, in operation, once the petrol engine was running correctly the push-button was momentarily depressed allowing the battery to initially excite the alternator. Once released the alternator excited itself and delivered its output. If the engine stopped the diode, being reverse-biased, isolated the battery from the charging system thus remedying the first flaw.

The major flaw was that the system was so simple that there was little to go wrong and if the globe, the only thing that could fail, went open-circuit the system was "fail-safe". That of course is no way for an amateur-built thing to behave, so it had to be made more sophisticated so as to increase the probability of failure. By the way have you ever looked up the original and still true meaning of the word "sophisticated" especially when used in the perfume industry. I am glad I make no claims of being sophisticated!!

Anyway in an attempt to complicate the issue it was contemplated that we replace the single globe with three globes, of 6, 12 and 18 watts rating, each controlled by an individual on/off switch. This, it was felt, would permit the selection of six different charging rates as selected by single switches or combinations of switches. The Mark 1A as shown in Fig 3, was still-born as it was deemed not to be complex enough nor fallible enough.

It was finally decided that the only way to introduce enough fallibility into the system was to use semi-conductors to control the excitation current. This, it was felt, would ensure sufficient failures to provide the maximum inconvenience when using the charger.

Thus emerged the Mark II controller as shown in Fig 4. This was built and proved disgustingly reliable and successful, giving outputs up to 40Amps and being capable of so loading the engine as to stall it!

The semi-conductors were fitted with, or to heatsinks, these being a "flag" for the BD139 and a Minifin section for the

THE 'CRADBIG' CHARGER (Contd.)

2N3055. The whole unit was built into a metal box with the two large heatsinks for the 2N3055 and series diode being mounted on opposite ends.

Take your pick of excitation schemes but be warned that this is NOT a power supply, it is a battery charger! If you consult a GOOD book on the subject of lead-acid secondary cells, most of which you will find were written quite some years ago, it will point out that the terminal voltage of a lead-acid cell at "top of charge" is between 2.5 and 2.8 volts per cell dependent on several factors including temperature, charge rate and acid density among others.

That means that the terminal voltage of your battery when Fully Charged can be as high as 16.8 volts. If you allow for a little internal resistance such as is found in "the old battery used for field days" and have a charging current of 15-20A then it may well exceed 17 volts. Should you be stupid enough to connect your precious rig to a supply of that value it won't like it at all and you may let all the brown smoke out of the components so they don't work at all! So remember if you build up something like this, it is a BATTERY CHARGER.

Eric VK3PRO did all the hard work of making up the frame and mounting the bits plus turning my suggestions into hardware and any credit should really be his. Anyway the Mark II has delivered 30A continuously for six hours without distress at a rate of about 75AH/L (I like that unit!)

Good luck and have a go choosing whichever Mark takes your fancy and will meet your needs but remember "what isn't there can't go wrong".

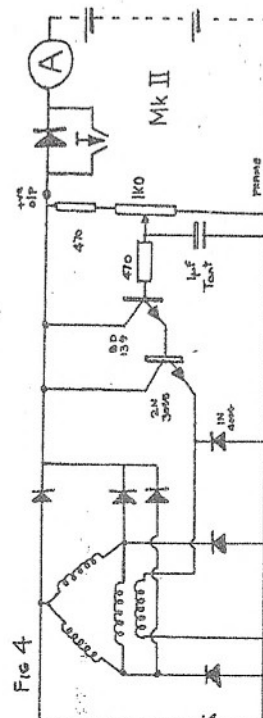
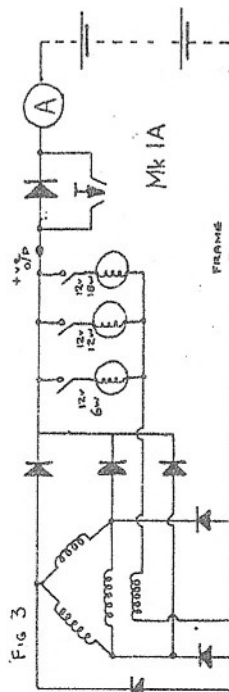
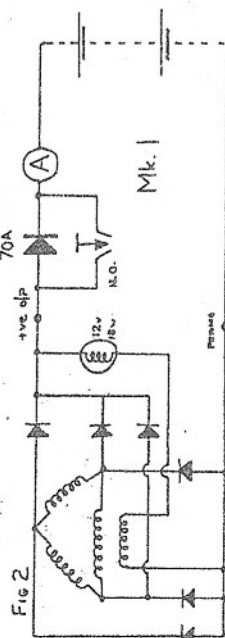
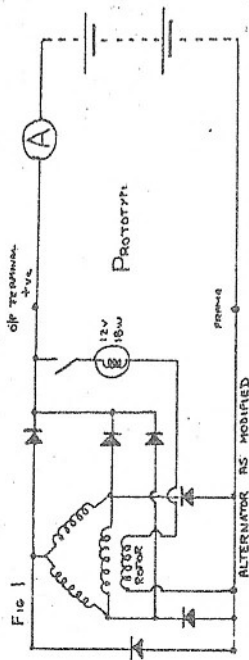
73 de Reg. VK3CAZ

EDUCATION '94 - TOM (VK3DMK)

- * We are gearing up for a busy start to the new year. We have an exam on the 22nd of February, and those taking part should have their Application Forms in now.
- * The Novice Class for '94 starts at 7-30pm on Thursday the 17th of February at the Adult Education Centre in Urquhart St. Enrolments should be made at the Centre.
- * We have three new additions to our examination Supervisor team. They are BOB (VK3BNC) ERIC (VK3PRO) and IAN (VK3EF). They join CHARLIE (VK3DCS) IAN (VK3AXH) GORDON (VK3FGC) REG (VK3CAZ) and myself TOM (VK3DMK)
- * GOOD LUCK to all those who are attending courses this year.



THE CRADBIG CHARGER - Schematics



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EVENTS CALENDAR

FEBRUARY

SUN...	6	13	20	27
MON...	7	14	21	28
TUE...	1	8	15	22
WED...	2	9	16	23
THU...	3	10	17	24
FRI...	4	11	18	25
SAT...	5	12	19	26

- 5th. Begonia Car Rally
- 6th. Triathlon
- 11th. Natter Night 7pm BBQ
- 17th. Novice Classes commence.
- 22nd. Examinations.
- 25th. BARG Meeting.

MARCH

SUN...	6	13	20	27
MON...	7	14	21	28
TUE...	1	8	15	22
WED...	2	9	16	23
THU...	3	10	17	24
FRI...	4	11	18	25
SAT...	5	12	19	26

- 6th. Courier Classic Run - WICEN operators wanted.
- 11th. Natter Night
- 19th. John Moyle Contest - Operators for Club Station
- 20th. John Moyle Contest
- 25th. BARG Meeting

APRIL

SUN...	3	10	17	24
MON...	4	11	18	25
TUE...	5	12	19	26
WED...	6	13	20	27
THU...	7	14	21	28
FRI...	1	8	15	22
SAT...	2	9	16	23

- 6th. World Cup Orienteering - WICEN operators wanted.
- 8th. World Cup Orienteering - WICEN operators wanted.
- 8th. Natter Night
- 29th BARG Meeting

MAY

SUN...	1	8	15	22	29
MON...	2	9	16	23	30
TUE...	3	10	17	24	31
WED...	4	11	18	25	
THU...	5	12	19	26	
FRI...	6	13	20	27	
SAT...	7	14	21	28	

- 13th. Natter Night
- 27th. BARG Meeting - Junk Auction Night.

FOR SALE

YAESU FT747-GX II HF TRANSCEIVER.

V.G.C. Recently overhauled by DSE. - \$1100
VK3NIZ (Ted) - Phone: 053-323340 Any Time.

NALLY TOWER - VK3KAW (Merv) has this tower for sale. The firm price is \$800.
For information you are asked to contact the BARG Secretary
VK3ADB (Geoff) Phone: 053-332112

DUAL BAND ANTENNA - 4 elements 6 metres - 10 elements 2 metres - \$60 ONO

AWA CRO - 5 inch - Needs mains transformer. - \$10.

COMMODORE COMPUTER - with 1801 colour monitor, 1541 Disc Drive, 3105 Modem
Packet and Amateur programs, Games, Joystick, Handbook and books
on programming. - \$400.
Phone: Charlie VK3DCS on 053-317425

10 METRE H.T.X.-100 TRANSCEIVER - Has had little use. With Manual. - \$150
Phone: Alan VK3NAS on 053-355600

2 METRE VALVE LINEAR - 6/40 tube. Enclosed in a small neat aluminium case
Well made (not by seller) Good condition. - \$140
Contact: Ernie VK3DET on 053-317604



DOWN MEMORY LANE

1979 BEGONIA CAR RALLY

The success of the radio communications provided by B.A.R.G. during the 1979 Begonia Rally can be gauged by the remarks contained in a letter received from Geoff Boyd, Director of the rally. It reads:

Dear Bryon and Members,

On behalf of the organising committee of the 1979 Begonia Rally I would like to express our sincere appreciation of your services during this event.

Prior to the event, some people were sceptical of whether our proposed idea would work, not only did it work, thanks to your teams very professional & methodical approach, but it excelled.

Please find enclosed a set of results for the event and in particular your team can be very proud of the computer printout of stage scores. Without your assistance presentation of the results would not have been possible.

Just a little bit of food for thought to finish on. The event will be on again next year and obviously we would like you to participate again if you are able and willing. Next year we are planning to go to Mount Cole on the Saturday, which might set some sort of a challenge that your team should thrive on !!!

Once again our sincere thanks
Yours Sincerely

Geoff Boyd
(Director of 1979 Begonia Rally)

Well there it is. For my part I would like to thank all of the operators, helpers and well-wishers who made the operation such a success.

73 de BRYON VK3YFL.

The above was taken from the B.A.R.G. Newsletter May 1979

Q R Z ?

I find it most frustrating
When I am in the bath,
To hear someone start calling me
When I've washed only half.

I don't know if it's best to let
The caller call on and on,
Or jump out quick, and maybe slip,
Then find the caller gone.

Sometimes I've found it's just a friend,
Calling for a natter.
So I must stand there dripping wet,
And listen to the chatter.

Another rig's the answer -
Mounted near the bath.
Then, while the QSO continues,
I can wash the other half.

But, now I get to thinking,
It's not such a good idea.
The thought of an RF lightning bolt
Makes me quake with fear.

Imagine pushing the PTT
And having some fault or other.
My goodness what a big blue flash !

Too late to call for Mother ! (VK3LBA)

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B.A.R.G. LIBRARY

The following is the current catalogue of B.A.R.G. Library Books. If you wish to borrow books, or if you have books excess to your requirements which you may care to donate to the Club, could you please contact Richard VK3JFL, the B.A.R.G. Librarian.

SIMPLE LOW COST ANTENNAS FOR THE RADIO AMATEUR	
BASIC ELECTRONICS	BNP
ARRL 1986 HANDBOOK FOR THE RADIO AMATEUR	ARRL
RADIO AMATEUR HANDBOOK 1963	ARRL
TEST EQUIPMENT FOR THE RADIO AMATEUR	RSGB
LOW BAND DX-ING	ARRL
500 QUESTIONS FOR AOCF CANDIDATES	WIA
RADIO AMATEUR ANTENNA HANDBOOK	ORR/BROWN
RADIO SERVICING - VOLUME 1	
RADIO COMMUNICATIONS HANDBOOK	RSGB
SATELLITE EXPERIMENTERS HANDBOOK (2 COPIES).....	ARRL
SATELLITE ANTHOLOGY	ARRL
HF ANTENNAS FOR ALL LOCATIONS (2 COPIES)	L.A.MOXON
CREATIVE CIRCUIT DESIGN	
UHF COMPENDIUM	
UHF - VHF MANUAL	JESSOP
1988 ARRL HANDBOOK	ARRL
Q.R.P. CLASSICS	ARRL
NOVICE ANTENNA NOTEBOOK	ARRL
ARRL HANDBOOK 1993 EDITION	ARRL
PACKET RADIO PRIMER	RSGB
PRACTICAL WIRE ANTENNAS	RSGB
QRP CLUB - CIRCUIT HANDBOOK	
SOLID STATE DESIGN FOR THE RADIO AMATEUR	ARRL



ANY IDEAS PLEASE ?

YOUR COMMITTEE IS LOOKING FOR SOME INPUT FROM THE MEMBERS TO ASCERTAIN JUST WHAT TYPE OF ACTIVITIES OR PROJECTS ARE PREFERRED, SO THAT A SYLLABUS OF MONTHLY EVENTS CAN BE DRAWN UP.

IT WOULD BE APPRECIATED IF YOU COULD GIVE THIS MATTER SOME THOUGHT AND FORWARD YOUR IDEAS TO A COMMITTEE MEMBER FOR CONSIDERATION. - TA !

WHAT ?	WHERE ?	WHEN ?

B.A.R.G. NOVICE CLASSES will commence on Thursday 17th. February. at the Adult Education Centre. Enrolments by 10th. Feb. \$90.00 - 18 weeks

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BACK TO NORMAL Suspended Club activities have now returned to normal.

SCRAMBLE: If you've never come up on the SCRAMBLE at 7.50 on a Sunday evening then it's not too late to experience this 5 minutes of mayhem as 'normally refined' operators show their 'Jekyll and Hyde' behaviour as they vie for your attention. Great stuff - 146.425 to 146.600MHz.

FOX HUNTS: If you enjoy the challenge and suspense of tracking down and destroying the 'bad uns' then give up those computer games on Monday evenings and meet up with the real 'hounds' at the Education Centre car park at about 7.30 pm. (Liaise on RBA). If your not equipped to hunt there are plenty of passenger seats available. Good serious fun - Give it a go, contact Trevor VK3NTA - Ken VK3PDA

CLUB NET: The Club Net on Thursday evening at 8.30 pm (during daylight saving) is a great way to catch up with the 'goings on' in the district, at the same time giving colleagues near and far the opportunity to seek or give advice, and to participate for our awards. Of course it also gives a venue for us to welcome visitors to our area and to pass on to SWL's some details and encouragement to join in our hobby. The net and its objectives should be supported by all Club members when they are able. Thursdays 8.30pm - 3.610 MHz. +/- QRM.



THE B.A.R.G. COMMITTEE

WISH ALL MEMBERS AND THEIR FAMILIES

A VERY HAPPY - HEALTHY AND SAFE

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BI-MONTHLY NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC.

B. A. R. G. NEWS

AFFIX LABEL HERE



3354

BALLARAT
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